AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Currently Amended) The method of claim [[1]] 5, further comprising:
setting a first value for the quality-of-service indicator field in the Internet Protocol packet if a first rate is determined; and
setting a second value for the quality-of-service indicator field in the Internet Protocol packet if a second rate is determined.

3. (Currently Amended) The method of claim [[1]] 5, wherein determining one of plural rates comprises determining one of plural rates of an adaptive multi-rate codec.

4. (Currently Amended) ~~The method of claim 1, further comprising~~ A method of communications, comprising:
determining one of plural rates to code data for communication over a network;
encapsulating the data in a packet having a quality-of-service indicator field;
setting one of plural values for the quality-of-service indicator field based on the determined one of plural rates; and
transmitting the packet over a wireless link.

5. (Currently Amended) ~~The method of claim 1,~~ A method of communications, comprising:
determining one of plural rates to code data for communication over a network;
encapsulating the data in a packet having a quality-of-service indicator field; and
setting one of plural values for the quality-of-service indicator field based on the determined one of plural rates,
wherein encapsulating the data in the packet comprises encapsulating the data in an Internet Protocol packet.

6. (Currently Amended) The method of claim 5, wherein setting one of plural values for the quality-of-service indicator field comprises setting one of plural values for a differentiated services field in the Internet Protocol packet.

7. (Currently Amended) The method of claim [[1]] 5, wherein determining one of plural rates to code data comprises determining one of plural rates to code real-time data.

8. (Currently Amended) The method of claim [[1]] 5, wherein determining one of plural rates to code data comprises determining one of plural rates to code audio data.

9. (Currently Amended) An article comprising at least one storage medium comprising instructions that when executed cause a system to:

determine one of plural rates to code data for communication over a network; and

set one of plural quality-of-service values in [[a]] an Internet Protocol packet, based on the determined one rate, to carry the data over the network.

10. (Original) The article of claim 9, wherein the instructions when executed cause the system to determine one of plural rates by determining one of plural rates of an adaptive multi-rate codec.

11. (Currently Amended) The article of claim 9, wherein the instructions when executed cause the system to set one of the plural quality-of-service values by setting one of plural differentiated services field values in the Internet Protocol packet.

12. (Cancelled)

13. (Original) The article of claim 9, wherein the instructions when executed cause the system to set one of the plural quality-of-service values by setting one of plural differentiated services code points.

14. (Original) The article of claim 9, wherein the instructions when executed cause the system to determine one of plural rates to code one of audio data and video data.

15. (Currently Amended) A system comprising:

a codec adapted to code real-time data; and

a controller adapted to vary a codec rate and to set one of plural quality-of-service indicator values in a quality-of-service field of an Internet Protocol packet based on the codec rate.

16. (Currently Amended) ~~The system of claim 15, further comprising~~ A system comprising:

a codec adapted to code real-time data;

a controller adapted to vary a codec rate and to set one of plural quality-of-service indicator values based on the codec rate; and

an interface to a wireless link.

17. (Original) The system of claim 15, wherein the codec comprises an adaptive multi-rate codec.

18. (Currently Amended) The system of claim 15, wherein the controller comprises application software to set the one of plural quality-of-service ~~indicators~~ indicator values.

19. (Original) The system of claim 18, further comprising a network layer to encapsulate the data in a packet to carry the one quality-of-service indicator value.

20. (Original) The system of claim 19, wherein the network layer comprises an Internet Protocol layer.

21. (Original) The system of claim 15, further comprising a Real-Time Protocol module adapted to encapsulate the real-time data in a Real-Time Protocol packet.

22. (Original) The system of claim 15, wherein the controller is adapted to set one of plural quality-of-service indicator values by setting one of plural differentiated services code points.

23. (Currently Amended) A system comprising:

a network interface to receive plural ~~units of data~~ Internet Protocol (IP) packets from a network;

a plurality of queues to store the ~~units of data~~ IP packets, each ~~unit of data~~ IP packet containing a quality-of-service indicator, the plural ~~units of data~~ IP packets containing different quality-of-service indicator values that correspond to different coding rates; and

a controller adapted to store each ~~unit of data~~ IP packet in one of the plurality of queues based on the quality-of-service indicator value in the ~~unit of data~~ IP packet.

24. (Currently Amended) The system of claim 23, wherein the ~~units of data~~ IP packets contain conversational data.

25. (Original) The system of claim 23, wherein the coding rates comprise rates of an adaptive multi-rate codec.

26. (Original) The system of claim 23, wherein the quality-of-service indicator values comprise differentiated services code points.